

Claims

1. An electroluminescence system, characterised in that it comprises an electroluminescence device which has a first flat electrode of a transparent material, that allocated to each of the large surfaces of this first electrode is a layer of a luminescent dielectric, that at least one of these light layers is transparent and that allocated to the large surface of the light layer concerned facing away from the common electrode is a second electrode.
2. A system according to claim 1, characterised in that the electroluminescence device has more than two transparent light layers lying above each other, that between every two light layers is arranged a transparent electrode and that the free large surfaces of the outside light layers are also fitted with an electrode.
3. A system according to claim 1, characterised in that at least the electrode lying on the front of the electroluminescence device is made of a transparent material.
4. A system according to claim 1, characterised in that the light layers are made of materials which can emit light at different wavelengths.
- 15 5. A system according to claim 1, characterised in that the extensive electroluminescence device has at least one point with a three-dimensional deformation, that this deformation has a radius which is less than 1 mm, and that at this deformed point are connected at least two sections 28, 29 of the EL device, between which extends an angle which can amount to 90°.
- 20 6. A system according to claim 1, characterised in that it comprises a device to control the luminescent layers of the electroluminescence device.
7. An electroluminescence system, characterised in that it comprises an electroluminescence device with at least one layer of a luminescent dielectric, that an electrode is allocated to each of the large surfaces of this light layer, that the electrode concerned is designed as a set of parallel strips of an electrically conductive material, that the directions of these sets of strips are perpendicular to each other and that a control device is provided which is designed so that the electrode strips can be connected individually to an energy source.
- 25 8. A system according to claim 7, characterised in that the light layer is designed as a cohesive layer.
- 30 9. A system according to claim 7, characterised in that the electroluminescence device has several transparent layers of luminescent dielectric lying above each other, that the

luminescence dielectrics of the light layers are such that they can emit light of different wavelengths, that between every two such light layers is arranged a strip electrode and that the free surfaces of the outside light layers each have a strip electrode.

10. A system according to claim 7, characterised in that a reflective layer is allocated to the rear of the electroluminescence device and that the reflected surface of this layer faces the light layers of the electroluminescence device.
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